

Control 500V 2x2x1 mm² Individual and Overall Shielded Armored FR-PVC Cable INSTRUMENTATION & SIGNAL P/N 9551002101

INDUSTRY

Applications

Process control industry, Outdoor, Direct burial



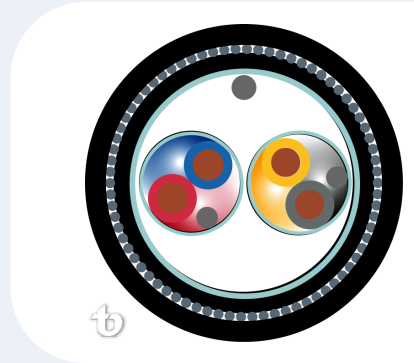
Outer Jacket Material
FR-PVC



Outer diameter
13.3 mm nom.



Weight
315 kg/km



General Construction

2 shielded twisted pairs are cabled, overall shielded, inner jacketed, steel wire armored and outer jacketed.

Design & Materials

Conductor Material	Annealed Bare Copper
Conductor Construction	Solid
Insulation Material	PE
Insulation Thickness (mm)	0.43
Insulation O.D. (mm nom)	2.0
Conductor Color Code	Blue X Red, Gray X Yellow.
Ind. Shield Material	Aluminum/Polyester Foil
Drain-Wire 1 Material	Annealed Tinned Copper
Drain-Wire 1 Construction	Solid
Drain-Wire 1 Size (mm)	0.8
Overall Shield Design	100% Coverage
Overall Shield Material	Aluminum/Polyester Foil
Overall Drain-wire Material	Annealed Tinned Copper
Overall Drain-wire size (mm)	0.8
Overall Drain-wire Construction	Solid
Inner Jacket Material	FR-PE
Inner Jacket Thickness (mm nom)	1.0
Inner Jacket Diameter (mm nom)	8.6
Inner Jacket Color	Black

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Armoring	Served Galvanized Steel Wire
Armoring Wire Diameter (mm. nom.)	0.9
Total Number Of Conductors	4
Outer Diameter (mm nom)	13.3
Outer Jacket Thickness (mm nom)	1.45
Outer Jacket Color	Black
Marking	Per request
Outer Jacket Material	FR-PVC
Conductor Cross Section (mm ²)	1.0

Performance

Max. DC Resistance (Ω/km@20°C)	18.1
Dielectric Strength (V/minute)	2000
Dielectric Strength to Shield (V/minute)	1000
Voltage Rating (V)	500
Min. Operating Temperature (°C)	-30
Max. Operating Temperature (°C)	+70
UV Resistance	Yes

Standards

Flammability Rating
IEC 60332-1
IEC 60332-3-22

Applicable Standards
RoHS 3 2015/863/EU
EN 50288-7



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